

CLAIMS

What is claimed is:

1. A first construction toy formed of molded plastic,

wherein the first construction toy comprises:

 a planar segment in a first plane and formed
 having a connector at a connecting end along a long
 axis thereof;

 a hemispherical segment coupled to the planar
 segment opposite a connecting end, wherein the
 hemispherical segment is aligned with the long axis of
 the planar segment, wherein the hemispherical segment
 includes two hemispheres coupled by a joining segment
 to form a planar side in a second plane, and a
 hemispherical portion side, and wherein the
 hemispherical segment includes at least one male
 connector; and

 wherein the first plane of the planar segment is
 offset from the second plane of the hemispherical
 segment.

2. The first construction toy as defined in claim 1

wherein the at least one male connector of the

hemispherical segment further comprises a raised and
circular lip disposed on each of the two hemispheres on

the planar side, wherein the raised and circular lip is disposed in a third plane that is parallel to the first and the second planes.

3. The first construction toy as defined in claim 2 wherein the first construction toy further comprises the first plane being disposed above the third plane, and the third plane being disposed above the second plane.

4. The first construction toy as defined in claim 1 wherein joining segment is further comprised of two joining segments, wherein the two joining segments have a slot disposed therebetween.

5. The first construction toy as defined in claim 1 wherein the two hemispheres of the hemispherical segment are further comprised of at least one indented slot around the hemispherical side, wherein the at least one indented slot is perpendicular to the long axis of the planar segment.

6. The first construction toy as defined in claim 1 wherein the two hemispheres of the hemispherical

segment are further comprised of at least one indented slot around the hemispherical side, wherein the at least one indented slot is parallel to the long axis of the planar segment.

7. The first construction toy as defined in claim 1 wherein the joining segment is further comprised of at least one indented slot that is perpendicular to the long axis of the planar segment.

8. The first construction toy as defined in claim 1 wherein the connector of the planar segment is further comprised of a C-claw shape on an end thereof.

9. The first construction toy as defined in claim 8 wherein the planar segment is further comprised of a slot along the long axis of the planar segment, beginning at a midpoint of an arc that forms the C-claw shape, and extending towards the hemispherical segment, wherein the slot is perpendicular to the first plane of the planar segment.

10. The first construction toy as defined in claim 9 wherein the C-claw shape further comprises an indented

slot in each arm of the C-claw shape, wherein the indented slot is perpendicular to the long axis of the planar segment.

11. A second construction toy formed of molded plastic, wherein the second construction toy comprises:

a planar segment in a first plane and formed having a connector at a connecting end along a long axis thereof;

a hemispherical segment coupled to the planar segment opposite a connecting end, wherein the hemispherical segment is aligned with the long axis of the planar segment, wherein the hemispherical segment includes two hemispheres coupled by a joining segment to form a planar side in a second plane, and a hemispherical portion side, and wherein the hemispherical segment includes at least one female connector; and

wherein the first plane of the planar segment is offset from the second plane of the hemispherical segment.

12. The second construction toy as defined in claim 11 wherein the at least one female connector of the

hemispherical segment further comprises a raised and circular column disposed on each of the two hemispheres on the planar side, wherein each of the raised and circular columns has an indentation disposed along an inside circumference thereof.

13. The second construction toy as defined in claim 12 wherein the first construction toy further comprises the first plane being disposed above the third plane, and the third plane being disposed above the second plane.

14. The second construction toy as defined in claim 11 wherein joining segment is further comprised of two joining segments, wherein the two joining segments have a slot disposed therebetween.

15. The second construction toy as defined in claim 11 wherein the two hemispheres of the hemispherical segment are further comprised of at least one indented slot around the hemispherical side, wherein the at least one indented slot is perpendicular to the long axis of the planar segment.

16. The second construction toy as defined in claim 11 wherein the two hemispheres of the hemispherical segment are further comprised of at least one indented slot around the hemispherical side, wherein the at least one indented slot is parallel to the long axis of the planar segment.

17. The second construction toy as defined in claim 11 wherein the joining segment is further comprised of at least one indented slot that is perpendicular to the long axis of the planar segment.

18. The second construction toy as defined in claim 11 wherein the connector of the planar segment is further comprised of a C-claw shape on an end thereof.

19. The second construction toy as defined in claim 18 wherein the planar segment is further comprised of a slot along the long axis of the planar segment, beginning at a midpoint of an arc that forms the C-claw shape, and extending towards the hemispherical segment, wherein the slot is perpendicular to the first plane of the planar segment.

20. The second construction toy as defined in claim 19 wherein the C-claw shape further comprises an indented slot in each arm of the C-claw shape, wherein the indented slot is perpendicular to the long axis of the planar segment.

21. A third construction toy formed of molded plastic, wherein the third construction toy comprises:

 a hemispherical segment including two hemispheres coupled by a joining segment to form a planar side in a first plane along a long axis, and a hemispherical portion side, and wherein the hemispherical segment includes at least one male connector having an edge that is disposed in a second plane that is parallel to the first plane; and

 wherein the first plane of the planar side is offset from the second plane of the male connector.

22. The third construction toy as defined in claim 21 wherein the at least one male connector of the hemispherical segment further comprises a raised and circular lip disposed on each of the two hemispheres on the planar side.

23. The third construction toy as defined in claim 22 wherein the third construction toy further comprises the second plane being disposed above the first plane.

24. The third construction toy as defined in claim 21 wherein joining segment is further comprised of two joining segments, wherein the two joining segments have a slot disposed therebetween.

25. The third construction toy as defined in claim 21 wherein the two hemispheres of the hemispherical segment are further comprised of at least one indented slot around the hemispherical side, wherein the at least one indented slot is perpendicular to the long axis.

26. The third construction toy as defined in claim 21 wherein the two hemispheres of the hemispherical segment are further comprised of at least one indented slot around the hemispherical side, wherein the at least one indented slot is parallel to the long axis.

27. The third construction toy as defined in claim 21 wherein the joining segment is further comprised of at

least one indented slot that is perpendicular to the long axis.

28. A fourth construction toy formed of molded plastic, wherein the fourth construction toy comprises:

a hemispherical segment including two hemispheres coupled by a joining segment to form a planar side in a first plane along a long axis, and a hemispherical portion side, and wherein the hemispherical segment includes at least one female connector having an edge that is disposed in a second plane that is parallel to the first plane; and

wherein the first plane of the planar side is offset from the second plane of the female connector.

29. The fourth construction toy as defined in claim 28 wherein the at least one female connector of the hemispherical segment further comprises a raised and circular column disposed on each of the two hemispheres on the planar side, wherein each of the raised and circular columns has an indentation disposed along an inside circumference thereof.

30. The fourth construction toy as defined in claim 29 wherein the fourth construction toy further comprises the second plane being disposed above the first plane.

31. The fourth construction toy as defined in claim 28 wherein joining segment is further comprised of two joining segments, wherein the two joining segments have a slot disposed therebetween.

32. The fourth construction toy as defined in claim 28 wherein the two hemispheres of the hemispherical segment are further comprised of at least one indented slot around the hemispherical side, wherein the at least one indented slot is perpendicular to the long axis.

33. The fourth construction toy as defined in claim 28 wherein the two hemispheres of the hemispherical segment are further comprised of at least one indented slot around the hemispherical side, wherein the at least one indented slot is parallel to the long axis.

34. The fourth construction toy as defined in claim 28 wherein the joining segment is further comprised of at

least one indented slot that is perpendicular to the long axis.